M. A. R. 57 (Rule 116) No. E 559610

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... H. Gangadhar .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Repairs to borewell, Chain link fencing, seating arrangement, children play equipment & other works to Ganesha layout park M.S palya in ward no. 11						
	Job code no :- 011-15-000023						
	Work order No :- BBMP/EE/BTP/WO/246/2016-17 dt :- 25/03/17						
	Head of Account :- P0190						
	Est cost :- 19.80 lakh						
	Tender price :- 1932259.70						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork in surface excavation in ordinary soil for levelling & lowering the ground manually & removing the excavated stuff to a distance not exceeding 50m & lift upto 1.5m excavated surface levelled & neatly dressed disposed earth to be levelled after breaking of clods & neatly spread						
	Premeasurement recorded at vide 1.No (1) of P.U No 559671 of the M.B					417.50	56363.00
						@ 135/-	
	(2) Earthwork excavation for foundation of building water supply sanitary line & electrical condition either in pits or in trenches 1.5m & above in hard soil not exceeding 1.5m in depth including dressing the bottom & sides of pits & trenches stacking the						

M. A. R. 57 (Rule 116) **No. E** 559611

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	excavated soil clean from edges of excavation with hard upto 50m after breaking.						
	premeasurement recorded qty vide I.No ② of PH No 55967H of this M.B				exp 250/-	10.96	3240.00
②	lead of disposal of debris/earth shall be payable at garage rates by mechanical means including loading & unloading 11Km to 15km						
	premeasurement recorded qty vide I.No ② of P.H No 55967H of this M.B				exp 95/-	430.46	40894.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Providing & laying in position plain cement concrete of mix M 7.5 with OPC cement @ 180 kgs with 40mm & down size graded granite metal coarse aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation & plinth including cost of all materials labour Hire of machinery curing complete.						
	Pro measurement recorded at Vide pt.						
	item no (4) of P.A 559/20 as this no's					5.67	26819.00
						CR 4730/-	
(5)	Providing & laying in position plain cement concrete of mix M.15 with cement @ 240 kg with 40mm & down size graded granite metal coarse aggregate @ 0.878 cum & fine aggregate @ 0.439 cum machine						

M. A. R. 57 (Rule 116) **No. E** 559612

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation & plinth including cost of all materials labour hire of machinery premeasurement recorded @ Qty vide item No (5) of P.U No 559672 of the MB					5.67	2 91181.00
				Rate	5200/-		
(6)	providing & fixing precast polished kerb stone made out of ce 1:2:4 & finished with 1cm 1:3 plastering finishing cutting	2	15.0	-	-	30.0	
		2	15.2	-	-	30.4	
						60.4	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			60.40/0.45 =			134	44293.00 44220
				CR 330/-			
	(7) Providing & Constructing precast concrete solid blocks with compressive strength not less than 35 kg/sqcm with cement mortar 1:4 masonry with solid concrete blocks of size 40x20x20 cm conforming to IS 2185 1965 in superstructure including cost of materials labours curing complete.						
	platform for benches	15	4.5	.	0.45	27.0	25380.00
				CR 940/-			
	(3) Providing 12mm thick cement Plaster in single coat with cement mortar 1:3 to brick masonry including						

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97

M. A. R. 57 (Rule 116) **No. E** 559613

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	grinding of corners providing & removing material labour curing	wherever required	smooth rendering & cobbolding including cost of				
29/7		15	4.5	–	–	20.25	2038.00
						@ ₹150/-	
	9) providing & fixing of pre polished cement Poly Propylene fiber @ admixture cement pond bed of 1:3 mix slurry mixed pigment including cost of all having compressive	25mm thick concrete tiles	cement base precast containing fibrilated laid on 12 cm thick joined with oxide cement to match the shade of tiles material & labour & machine strength of not less than with				

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	350kg/cm² flexural strength of natural stone 30kg/cm² & water absorption of less than 10%.						
		15	0.1	1.2		37.80	41580.00
				@ Rs 1100/-			
10	providing & applying ready mix priming coat over concrete/masonry/asbestos cement sheet plastered surface including preparing the surface after through brooming of oil grease dirt & other foreign matter & sand papering including cost of material labour						
	kerb stone	134	0.45	-	0.35	21.11	
				limited to		20.95	41900
				@ Rs 20/-			

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116) **No. E** 14

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10/8	1) Providing & applying Painting with ready mix paint in 2 coats over new concrete/asbestos cement sheet/plastered surface with to give even shade after preparing the surface after through brooming of all dirt & other foreign matter & sand papering including cost of material all complete as per instruction of Engineer in charge.						
	Kasb stone	134	0.45	-	0.35	21.11	844.00
					@ Rs/-		
10/8	2) Play platform: The multi Play system comprises of 2 Platforms with perrated moulded plastic canopies in size with 10mm the platforms are 36'x 31' Laser main pillars are Perforated MS blacks ended in 65mm MS galvy pipe two Platforms are						

Assistant Executive Engineer
Subramanyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	extended into a twin single side, a chain ladder vertical ladder with 25mm dia MS pipe a conventional rectangular step ladder to 2[illegible] long trapeze bony hand made out of 20mm dia MS pipe 3ft long loop hand made of 12mm dia MS pipes, a tic-tac panel Colour planked segement bridge of right panel effective height of platform are 4 feet above the ground level moulded plastic sides are in corrugate load free tough grade durable hard & should prevent UV light All 'A' class pipe are of ISI grade						
						1 Set @ 670000/-	670,000.00
13	Providing Children Play Standard Seesaw Seated equipment this equipment is made up of main						

M. A. R. 57 (Rule 116) No. E 559615
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	beam 50mm MS pipe A clasp of length 98 mts, with a handle welded at the end of a hand are made of 20mm A clasp pipe the main beam is pivoted to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joint which swivel over 28 mm dia steel shaft, which get installed in ground by means of concrete, & no foot are made of 250 mm X 200 mm X 18 mm MS sheet with T nut at the front All pipes are of ISI grade All the pipes are painted with a coat of Red oxide zinc chromate yellow oxide including fixing the play equipment in ceiling curing etc complete with all load lift loading & any other incidental charges & as per the drawing & specification					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13/8		1 No	–	–	–	1 No	55600.00
14	providing children play merry-go round made of MS 'A' class pipes main pillar 2.70 m long dia fitted with shaft & a bearing & other cross members are in 25 & 20mm M.S 'A' class pipe steel bottom ring is made out of 25mm of ring of size of 1.0 mt dia. fitted with four seats are on metal part of 250x200x 18 SWG handles are made out of 20mm MS pipes & other support are in 25mm MS 'A' class pipe. All the pipes are painted with a coat of Red oxide zinc chromate yellow including fixing the Play equipment in CC 1:2:4 curing complete with all lead, lift loading unloading & any other incidental charges				@ 27800/-		

Assistant Engineer Sub Division BBMB Nangal Dam

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559616

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2018	1 No	-	-	-	1 NO	2 7800.00
				est 2 7800/-			
18/	2 seater Swing :- Solid fibbed FP MS chain length 1.8 mtr of chain are supported from which the chain is suspended. Three numbers 50mm MS A class pipe of size are inverted 'V' shape secured at the top all pipes are of ISI grade. A coat of super yellow oxide	The swing consist of 2 no. seat of each seat is suspended by circular hoping with bearing 50mm x 50mm x 5mm MS angle iron. The main beam is of 50mm A class pipe of MS chain 30mm x 30mm x 5mm are of 50mm A class pipe the main beam by means of CI coffery All the pipes are painted with Red point over a coat of protective chromate	480 x 180mm x 3.5mm supported by				

Verified by Asst. Engineer Sub Div. PRMC Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		As per	-	-	-	As per	91800.00
				CM 45900/-			
16)	Providing & filling to required depth watering & ramming	Sand in foundation upto plinth for sub str treatment including with all lead & lift complete					
		1	12.3	14.5	0.25	44.59	
		1	15.0	8.5	0.25	31.88	
						76.46	
				Qty limited to		75.0	
				CM	1900/-		1,42,500.00

23/8

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

23/8/24

M. A. R. 57 (Rule 116)
Measurement Book

No. E 559617

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
A)	Providing & fixing of materials ~~found~~ as per SR	granite benches	including cost			21 Nos @ 10450/- each	219450.00
B)	Providing & fixing of heavy guage of MS including removing the bend cutting the pipe & fixing the pipe between the vertical poles & spot welding the chain link with MS block pipe including cost of all materials wastage in cutting & scaffolding wherever necessary	MS block pipe of 38mm dia					

Verified
Asst. Executive Engineer
BBMP, Bangalore-560

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with all lead & lift as directed by engineer incharge of work complete including 2 coat of approved Quality over one coat of shop Paint						
		15	2.3	-	-	34.5	
		9	2.3	-	-	20.7	
		9	2.3	-	-	20.7	
		10	2.3	-	-	23.0	
						98.90	
						@ Rs 300/-	Rs 29670.00
19)	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles & fixed with suitable bolts & nuts the free end shall be welded to the pole & blow pipe at top & bottom as required including cost of all material colour lead & lift as per direction of						

CAR 30/8

Executive Engineer Division No. Bandra

30/8

M. A. R. 57 (Rule 116) **No. E** 559618

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Engineering & Coat of approved Quality paint over Coat of Shop paint						
	Railing damaged	5	2.3	—	1.8	20.70	
		2	2.3	—	1.8	8.28	
		3	2.3	—	1.8	12.42	
		5	2.3	—	1.8	20.70	
						62.10	
					Engg 675/-		
2/9	Providing & applying enamel metal painting & coat excluding priming coat over new steel or other metal surface brushing to give an even shade						

Rs 1918.00

Executive Engineer
Assistant Executive Engineer
Vidyaranyapura sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	After cleaning oil, grease dirt & other foreign matter including cost of material labour						
	North side	1	30	-	1.8	54.0	
		1	30	-	1.8	54.0	
	East side	1	8.0	-	1.8	14.40	
		1	30.0	-	1.8	54.0	
		1	26.0	-	1.8	46.80	
		1	30	-	1.8	54.0	
		1	9.5	-	1.8	17.10	
	South side	1	30.0	-	1.8	54.0	
		1	15.0	-	1.8	27.0	
		1	28.0	-	1.8	50.40	
	W/C	1	32	-	1.8	57.60	
		1	30	-	1.8	54.0	
						537.3	

CAPS NOWSO

Assistant Executive Engineer
Division
Temp. Bengaluru - 97

M. A. R. 57 (Rule 116) **No. E** 559619

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1	30.0	-	1.8	54.0	537.3
		1	32.0	-	1.8	57.6	
						648.9	
				Limited to		648.0	5119.20
				enc 791/-			
v)	providing & fixing in galvazed/mild steel tubed 50 mm dia nominal bore with all fittings & cost of all material labour charges					including	
		1	30.0	-	-	30.0	
		1	10.0	-	-	10.0	
						40.0	15800.00
						enc 395/-	

Assistant Executive Engineer
Vidyaranyapura Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
22	Supply heavy duty galvanized / mild steel Collar suitable for 32 mm dia nominal bore galvanized / mild steel tube.	10	-	-	-	10 Nos	780.00
				CM 78/-			
23)	Erection of pumpset including aligning & balancing with all necessary erection material & labour including supply & erection of a pair of supporting clamps, bonnet cap, cable & water tight gland cable protectors, bolts & nuts washers on the job	1				1	
				CM 1690/-			1690.00

Assistant Engineer
Vidyavardhini
DBM

M. A. R. 57 (Rule 116) **No. E** 559620

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
24	Supplying & fully automatic star-delta unit push with suitable wires 3 contactors one adjustable thermal time mounted on a common base plate head on steel enclosure for use on 400/440 volts 3 Phase & wired after to the existing wooden board for motor	1			1	53000.00	
					Rs 5300/-		
25	Supplying & fixing using necessary wires of an existing panel board a single phase protected suitable for motor upto 20HP capacity						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1			1		700.00
				CRC 700/-			
26)	Supplying shunt capacitor conforming to IS 2834 3 Phase 400/440 volts grade capacitor in KVAR rating						
		1			1		490.0
				CRC 490/-			
27)	Fabricating supplying & mounting 1200x900x350 mm MS box made out of SWG suitable for floor/wall mounting fully weather proof with double sheet top as per drawing with provision for better heat dissipation provided with hinged front cover with clear opening of 100x100 mm protected						

Assistant Executive Engineer
Varanyeppu, Ernakulam

M. A. R. 57 (Rule 116) No. E 559621
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	by glass cover clamped to the door on ECB metal body to facilitate meter reading equipped with tamper proof locking arrangement with suitable size clamps with necessary cable entry pipe with gland & bow should be painted with approved colour enameled metal part	1				1NO	10000.00
						ERV 10000/-	
28)	Supplying & fixing miniature circuit breaker isolator on existing MCB distribution board using necessary fixing material & wiring						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete.	1				1 No	950.00
				EMC	950/-		
27	Supplying & fixing regular MCB distribution board on wall/wood board/flush mounting using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with doors located painting	1				1 No	540.00
				EMC	540/-		
30	Supplying & LTOH cable having aluminium conductor PVC insulated sheathed galvanized						

C+R

Assistant Executive Engineer
Jayanagar Sub Division
BWSSB, Bangalore-97

M. A. R. 57 (Rule 116) **No. E** 559622

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Steel wire / tape armoured cable with PVC outsheathing 1.1 kV	60	-	-	-	60	8700.00
				cms	mtrs		
21)	Providing & fixing stone pergola 200cm x 200 cm thick granite polished all four sides machine cut as per the design the vertical pillars are to be fixed in cement concrete 1:2:4 the wate includes cost of all materials labour equipment machinery load						

CERTIFIED
Assistant Executive Engineer
Kuliyapitiya Sub Division
Distribution Division - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4 lifts loading & unloading complete & execute the work	1	30	-	-	30	
		1	5.0	-	-	5.0	
		1	30	-	-	30.0	
		1	5.0	-	-	5.0	
						70.00	
				@ Rs 3900/-		Rs 273000.00	
	32) providing & fixing duct bank as per design drawing specification	300				3 No	141000.00
				@ Rs 4700/-			
							1931334.00

23/9/21

Verified 23.9.21

Executive Engineer
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

23/9/21

Executive Engineer
Assistant Executive Engineer
Vidyaranyapura Sub Division

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

559623

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate 1) work done satisfactorily 2) Contractor carried his own men & material 3) There is no due from Contractor to BBMP pertaining to this work						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Assistant Executive Engineer

Reference to last Measurement 8
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INDEX

- Benches
- Children Play Equipment

ve Engineer

M. A. R. 57 (Rule 116) **No. E** 559624

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	First & Final					BA - 1934200=00	
						RT - 193420=00	
						LC - 19340=00	
						CBR - 1935=00	
						CKR - 1720=00	
						SKR - 1720=00	
						LR - 7500=00	
						EDT - 16500=00	
						TD - 99159=00	
						Total - 1835041=00	

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ D-0190 ರಡಿ
ಬಿಲ್ಲು ಹೊಬಲಗು ರೂ. 1934200=00 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.
ಇದರಲ್ಲಿ ರೂ. 99159=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ
ಮಾಡಿಕೊಂಡು ರೂ. 1835041=00 ಗಳನ್ನು

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ವಿತರಣಾ ನಿರ್ವಾಹಕರು | ಲೆಕ್ಕಾಧಿಕ್ಷಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು | ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು